

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 0 Flammability = 0 Reactivity = 0
HMIS RATING: Health = / 0 Flammability = 0 Physical Hazard = 0

SECTION I -- IDENTITY AND HILLYARD'S INFORMATION

(545N-28A)

Hillyard's Name: HILLYARD INDUSTRIES**Product Name:** FOAMING HAIR AND BODY WASH**Address:** 302 North Fourth Street.**Date Prepared:** June 30, 2011 (version 2)

St. Joseph, MO 64501

Prepared by: Regulatory Affairs Department**Emergency Telephone No.:** (800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.)**Other information calls:** (816) 233-1321 (Ext. 8285)<http://www.hillyard.com>

*SECTION II -- INGREDIENTS/IDENTITY INFORMATION

Components

(Specific Chemical Identity:

Common Name(s)	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Water	7732-18-5	None	None	N/A	---
Sodium Laureth Sulfate	3088-31-1	None	None	N/A	---
Sodium Lauryl Sulfate	151-21-3	None	None	N/A	---
Cocoamide MEA	68140-00-1	None	None	N/A	---
Cocamidopropyl Betaine	61789-40-0	None	None	N/A	---

*SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: corrected 205°F **Specific Gravity (H₂O = 1):** 25°C = 1.01 ***Density=** 8.41 lbs/gl
Vapor Pressure (mm Hg.): 17.6 ***Percent Volatile by Weight (%):** 90.5 – 91.5
Vapor Density (AIR = 1): 0.6 **Evaporation Rate (ethyl ether = 1):** slower than 1
Solubility in Water: complete **Appearance and Odor:** Clear, green liquid; clean fragrance
***pH (concentrate) =** 7 - 8
V.O.C. = 0 gm/L.
 N/A= Not Applicable N/E= Not Established

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point: None to boiling (T.C.C.) **Flammable Limits:** LEL = N/A UEL = N/A
Extinguishing Media: Small fires = dry chemical, carbon dioxide. Large fires use alcohol foam, universal foam, water spray. Water jet not recommended because it may produce frothing.
Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.
Unusual Fire and Explosion Hazards: Product will burn under fire conditions. Hydrogen chloride, oxides of nitrogen, hydrogen sulfide, oxides of sulfur and oxides of carbon may be generated in fire.

SECTION V -- PHYSICAL HAZARDS

Stability: Stable **Conditions to Avoid:** N/A
Incompatibility (Materials to Avoid): None of which Hillyard has knowledge
Hazardous Decomposition Products or Byproducts: None
Hazardous Polymerization: Will not occur **Conditions to Avoid:** N/A

SECTION VI -- HEALTH HAZARD DATA

Routes of entry: Inhalation? Yes (glycerin mist) Skin? No Ingestion? No

HEALTH HAZARDS (1. Acute and 2. Chronic)

- Product concentrate is mild eye irritant per the Federal Hazardous Substance Act. Per the Federal Hazardous Substance Act, product is not considered to be a primary skin irritant. The concentrate has an acute LD₅₀ of greater than 5 g./kg. Concentrate not be acutely toxic following a one-hour static inhalation exposure at a nominal concentration of 26.3 mg./L. (actual 5.59 gm. per liter).
- None known by Hillyard.

SECTION VI -- HEALTH HAZARD DATA continued

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = No **I.A.R.C. Monographs =** No **OSHA =** No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

Signs and Symptoms of Exposure: Medical Conditions Generally Aggravated by Exposure: None known

Emergency and First Aid Procedures: Eyes: Eye contact with concentrate: In case of contact, immediately flush eyes with plenty of water for 15 minutes. Remove contact lenses and flush eyes again with water. CALL A PHYSICIAN if irritation persists. **Ingested:** If concentrate is swallowed in large quantities, give water--it may cause diarrhea; call physician.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Rinse area with water and pick up with wet vac or mop.

Waste Disposal Method: Normal Public Treated Sewage disposal for normal use. Spilled concentrate with inert absorbent. Sweep up and place in an appropriate closed container. Clean up residual material by washing area with water.

Precautions To Be Taken In Handling And Storing: N/A

Other Precautions: Do not breathe spray mist of product. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR Part 372.

SECTION VIII -- CONTROL MEASURES

Respiratory Protection (Specify Type): N/A

Ventilation:

Local Exhaust = N/A **Mechanical (General) =** N/A **Special =** N/A **Other =** N/A

Protective Gloves: N/A **Eye Protection:** N/A

Other Protective Clothing or Equipment: Not needed

Work / Hygienic Practices: Rinse cleaner off skin with water

SECTION IX - TRANSPORTATION INFORMATION

Applicable regulations: 49 CFR = no; IMCO = no; IATA = no.

Proper shipping name: Cleaning compound

UN No: not applicable **Limited Qty.:** not applicable **Hazard Class =** not applicable

Labels required: not required **DOT Exception:** not applicable

EPA Hazardous waste number / code: not listed

Hazardous waste characteristics:

Ignitability = not applicable; **Corrosivity =** not applicable; **Reactivity =** not applicable

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